

# Notice of Allowability

Application No.

10/601,686

Examiner

Jacky X. Zheng

Applicant(s)

LOCE ET AL.

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to June 21, 2007.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Twyler Lamb  
SUPERVISORY PATENT EXAMINER

### DETAILED ACTION

1. This office action is in response to applicant's amendment filed on June 21, 2007.
2. **Claims 1, 7, 9-10, 14-15 and 17-18** have been amended.
3. **Claims 1-18** are allowed.

### *Response to Arguments*

4. The rejections under 35 U.S.C. §112, Second Paragraph, to Claims 1-18 are withdrawn in view of Applicant's amendments to the claims.
5. The rejections under 35 U.S.C. §102 to Claims 1, 8 and 17 are withdrawn in views of both Applicant's amendments, and the arguments presented in "Remarks" filed on June 21, 2007, which found to be persuasive.
6. The rejections under 35 U.S.C. §103 to Claims 1-18 are withdrawn in view of Applicant's amendments to the claims, and the arguments presented in "Remarks" filed on June 21, 2007, which found to be persuasive.

### *REASONS FOR ALLOWANCE*

7. The following is an examiner's statement of reasons for allowance:

The instant invention is generally relates to methods and apparatus for antialiasing, and in particular for antialiasing image objects, such as colored text and graphical line art objects, so that the border or edge pixel of such antialiased objects exhibit relatively uniform values.

The closest prior arts of record, Zeck et al. (U.S. Patent No. 6,020,979), and Loce et al. (U.S. Patent No. 6,243,499), do not disclose or suggest, among the other limitations, the

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additional required limitation of *“selecting between different types of antialiasing filters (i.e. a logical filter and an averaging filter) as part of the antialiasing process; using an order statistic-based antialiasing filter; a pixel resolution of a received image is at or above a value that is an integer multiple of the pixel resolution of the antialiased image; method of using tags as a basis for selecting an antialiasing filter; determining a region has pixel values of a background image level that adjoin pixels of an unsaturated image object; and setting pixel values of edge pixels of the edge of the unsaturated image object to obtain a desired uniformity of edge pixel values for the image in at least one detected region”*. These additional features in combination with all the other features required in the claimed invention are neither taught nor suggested by Zeck et al. and Loce et al.

Therefore, Claims 1-18 are allowed.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

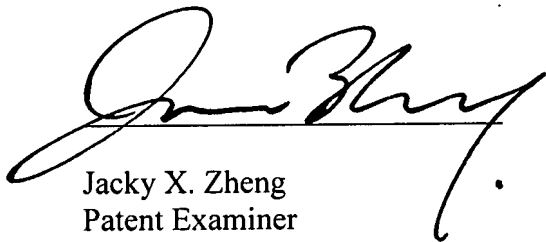
### ***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacky X. Zheng whose telephone number is (571) 270-1122. The examiner can *normally* be reached on Monday-Friday, 7:30 a.m.-5p.m., Alt. Friday Off.

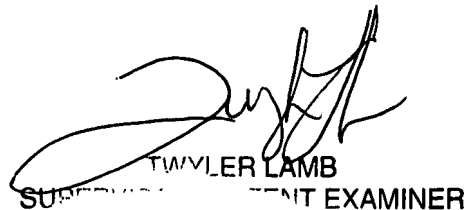
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler M. Lamb can be reached on (571) 272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jacky X. Zheng  
Patent Examiner  
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September 13, 2007



TWYLER LAMB  
SUPERVISOR  
PATENT EXAMINER